Tom Dovey

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Candidate for: Health Scientist Administrator (Biological Sciences) GS 601 –12/13
DHHS, NIH, National of General Medical Services (NIGMS)

Announcement Number: GM-98-0013
Federal Status: Visiting Fellow, GS – 11, 3/97 – Present
Citizenship: United States
Veterans Status: None

CAREER SUMMARY

Four years of postdoctoral research experience in neuroscience, cell biology, pharmacology and molecular parasitology. Managed a lab with a staff of 12. Lead researcher in a pharmacology lab. Presented research findings to over 500 international scientists and wrote 12 research articles.

EMPLOYMENT HISTORY

VISITING FELLOW (GS – 11) **3/97 – Present**
NATIONAL INSTITUTES OF HEALTH
LABORATORY OF DEVELOPMENTAL NEUROBIOLOGY
Building 10, 45 Center Drive
Bethesda, MD 20892
Supervisor: Dr. Aidan Jones (301) 777-9999

DUTIES:

- Manage a lab of 12 scientist, researchers and support staff.
- Presented findings at 3 conferences and 7 workshops to over 500 scientist.
- Provide scientific expertise regarding research outcomes to staff and colleagues at NIH.
- Conduct experimental research using basic molecular biological methods such as library construction, mapping cloning, sub-cloning, DNA sequencing and analysis, DNA/RNA isolation, purification, blotting and hybridization, electrophoretic mobility shift.
- Manage lab budget of $550,000
- Wrote 12 research articles on neuroscience, cell biology, pharmacology and molecular parasitology.

ACCOMPLISHMENTS:

Demonstrated firing pattern recognition in the decoding of action potentials by cell signaling elements.
Recipient of the Dr. Jonas Salk excellence in research award, May 2000

RESEARCH ASSOCIATE **1994-1997**
University of Pennsylvania
Department of Biochemical Pharmacology
111 Market Street, Philadelphia, PA 11911
Supervisor: Dr. Clare Heinbaugh (215) 312-7575

DUTIES:

- Conducted research experiments in the area of cell biology pharmacology.
- Managed biology laboratory with a budget of $450,000 and staff of five research students and one administrative assistant.
- Supervised graduate and undergraduate student laboratory activities.
- Responsible for editing all lab reports.

ACCOMPLISHMENTS:

Identified a novel calcium interaction site in protein kinase C with a putative function in isotype-specific signaling.
Mapped flanking sequences and identified transcripts at the break point of the genome of a temperature-induced paralytic mutant of Drosophilia melangaster.
Recipient of the Ben Franklin Memorial research award, May 1996

EDUCATION

University of Pennsylvania, Philadelphia, PA, Ph.D. Molecular Biology, 1997
West Virginia University, Morgantown, WV, B.S. Biology, 1993

PUBLICATIONS

Dovey, T., Patrick, A. (2000). Ca inhibition of noel protein kinase-C activity induced by arachidonic and F-action (manuscript submitted).

Dovey, T., Patrick, A. (1999). A gene variation in the hippocampus gene. The Journal of Neuroscience, 17, 7267-7277

Dovey, T., Farrell, P. (1998). Action potential-dependent regulation of gene expression: Temporal-specifity in Ca, camp-reponse element binding proteins and mitogen-activated protein kinase signaling. The Journal of Neuroscience, 11, 1227- 1238

Dovey, T., Farrell, P. (1997). The schistosomicidal compound, Ro 15-5458, caises a reduction in the RNA content of Scistosoma mansoni. Molecular & Biochemical Parasitology, 45, 1-9

PRESENTATIONS

Dovey, T., Holdren, D. (2000) Activation of distinct intracellular signaling pathways by patterned action potential firing of DRG neurons. Specificity in Signal Transduction, Keystone Symposia on Molecular Cellular Biology, Lake Tahoe, NV

Dovey, T. (1997) Regulated activation of protein kinas C- by cis-unsaturated fatty acid. Hosted by Connor Newman, Department of Dermatology, University of Michigan, Ann Arbor, MI

PROFESSIONAL AFFILATIONS

Society for Neuroscience

COMPUTER SKILLS

Paradox, WordPerfect 8.1, Lotus 1-2-3, PowerPoint, Novell 4.0, Java, MS Word, MS Access, MS Excel

COMMUNITY SERVICE

Biology 101 - Washington, DC, 1999 - Present
Teach Biology skills to elementary and middle school students as part of an after school program for DC public schools